

FIG. 1

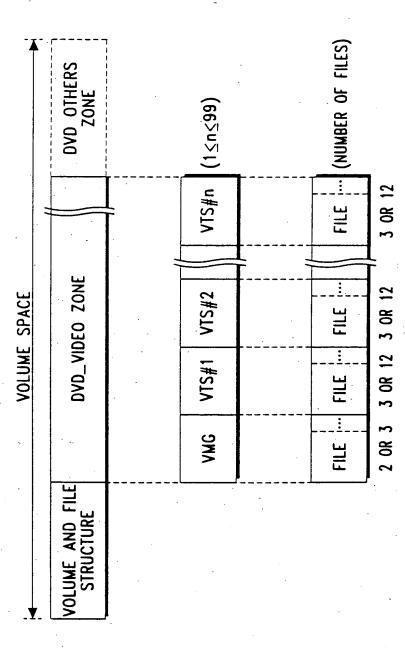


FIG. 2

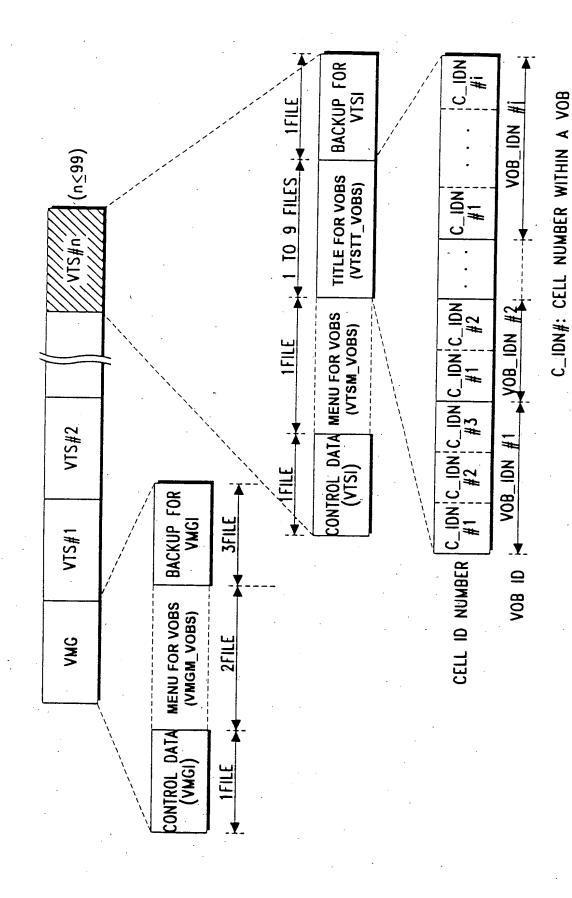


FIG. 3

VOB\_IDN#: VOB ID NUMBER WITHIN A VOBS

VIDEO MANAGER INFORMATION (VMGI)	VIDEO OBJECT SET FOR VIDEO MANAGER MENU (VMGM_VOBS)	BACK UP OF VIDEO MANAGER INFORMATION (VMGI_BUP)

VIDEO MANAGER INFORMATION MANAGEMENT TABLE  (VMGI_MAT)  VIDEO MANAGER MENU PGCI UNIT TABLE  (VMGM_PGCI_UT)  PARENTAL MANAGEMENT INFORMATION TABLE  (VMGM_PGCI_UT)  VIDEO TITLE SET ATTRIBUTE TABLE  (VTS_ATRT)  VIDEO MANAGER MENU CELL ADDRESS TABLE  (VMGM_C_ADT)  VIDEO MANAGER MENU CELL ADDRESS MAP  (VMGM_C_ADT)
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FIG. 4

	•	
VIDEO MANAGER INFORMATION MANAGEMENT TABLE (VMGi_MAT)		TITLE SEARCH POINTER TABLE INFORMATION (TT_SRPTI)
TITLE SEARCH POINTER TABLE (TT_SRPT)		TITLE SEARCH POINTER FOR TITLE #1 (TT_SRP #1)
VIDEO MANAGER MENU PGCI UNIT TABLE (VMGM_PGCI_UT)		TITLE SEARCH POINTER FOR TITLE #2 (TT_SRP #2)
PARENTAL MANAGEMENT INFORMATION TABLE (PTL_MAIT)		
VIDEO TITLE SET ATTRIBUTE TABLE (VTS_ATRT)		(TT_SRP#n)
TEXT DATA MANAGER (TXTDT_MG)		
VIDEO MANAGER MENU CELL ADDRESS TABLE (VMGM_C_ADT)		
VIDEO MANAGER MENU VIDEO OBJECT UNIT ADDRESS MAP (VMGM_VOBU_ADMAP)	_	

FIG. 5

N VIDEO TITLE SET INFORMATION MANAGEMENT TABLE (VTSI_MAT)	SET MENU VIDEO TITLE SET PART OF TITLE SEARCH POINTER TABLE (VIS_PTT_SRPT)	SET TITLE VIDEO TITLE SET PROGRAM CHAIN INFORMATION TABLE (VTS_PGCIT)	MATION VIDEO TITLE SET MENU PGCI UNIT TABLE (VTSM_PGCI_UT)	VIDEO TITLE SET TIME MAP TABLE (VIS_TMAPT)	VIDEO TITLE SET MENU CELL ADDRESS TABLE
VIDEO TITLE SET INFORMATION (VTSI)	VIDEO OBJECT SET FOR VIDEO TITLE SET MENU (VISM_VOBS)	VIDEO OBJECT SET FOR VIDEO TITLE SET TITLE (VISTI_VOBS)	BACKUP OF VIDEO TITLE SET INFORMATION (VTSI_BUP)		

VIDEO TITLE SET VIDEO OBJECT UNIT ADDRESS MAP

(VTS\_VOBU\_ADMAP)

VIDEO TITLE SET MENU VIDEO OBJECT UNIT ADDRESS MAP (VTSM\_VOBU\_ADMAP)

VIDEO TITLE SET CELL ADDRESS TABLE (VTS\_C\_ADT)

FIG. 6

## VTSI\_MAT

200		CONTENTS	NUMBER
RBP		CONȚENTS	OF BYTES
O TO 11	VTS_ID	VTS IDENTIFIER	12BYTES
12 TO 15	VTS_EA	END ADDRESS OF VTS	48YTES
16 TO 27	RESERVED	RESERVED	12BYTES
28 TO 31	VTSI_EA	END ADDRESS OF VTSI	4BYTES
32 TO 33	VERN	VERSION NUMBER OF DVD VIDEO SPECIFICATIO	N 2BYTES
34 TO 37	VTS_CAT	VTS CATEGORY	90BYTES
38 TO 127	RESERVED	RESERVED	4BYTES
128 TO 131	VTSI_MAT_EA	END ADDRESS OF VTSI_MAT	60BYTES
132 TO 191	RESERVED	RESERVED	4BYTES
192 TO 195	VTSM_VOBS_SA	START ADDRESS OF VTSM_VOBS	4BYTES
196 TO 199	VTSTT_VOBS_SA	START ADDRESS OF VTSTT_VOBS	4BYTES
200 TO 203	VTS_PTT_SRPT_SA		4BYTES
204 TO 207	VTS_PGCIT_SA	START ADDRESS OF VTS_PGCIT	4BYTES
208 TO 211	VTSM_PGCI_UT_SA	START ADDRESS OF VTSM_PGCI_UT	4BYTES
212 TO 215	VTS_TMAPT_SA	START ADDRESS OF VTS_TMAPT	4BYTES
216 TO 219	VTSM_C_ADT_SA	START ADDRESS OF VTSM_C_ADT	4BYTES
220 TO 223		START ADDRESS OF VTSTT_VOBU_ADMAP	
224 TO 227	VTS_C_ADT_SA	START ADDRESS OF VTS_C_ADT	4BYTES
228 TO 231	VTS_VOBU_ADMAP_SA		4BYTES
232 TO 255	RESERVED	RESERVED	24BYTES
256 TO 257	VTSM_V_ATR	VIDEO ATTRIBUTE OF VTSM	2BYTES
	VTSM_AST_Ns	NUMBER OF AUDIO STREAMS OF VISM	2BYTES
	VTSM_AST_ATR	AUDIO STREAM ATTRIBUTE OF VTSM	8BYTES
268 TO 323	RESERVED	RESERVED	56BYTES
324 TO 339	RESERVED	RESERVED	16BYTES
340 TO 341	VTSM_SPST_Ns	NUMBER OF SUB-PICTURE STREAMS OF VTS	
342 TO 347	VTSM_SPST_ATR	SUB-PICTURE STREAMS ATTRIBUTE TABLE OF VTS	
348 TO 511	RESERVED	RESERVED	164BYTES
512 TO 513	VTS_V_ATR	VIDEO ATTRIBUTE OF VTS	2BYTES
514 TO 515	VTS_AST_Ns	NUMBER OF AUDIO STREAMS OF VTS	2BYTES
516 TO 579	VTS_AST_ATRT	AUDIO STREAM ATTRIBUTE TABLE OF VT	
580 TO 595	RESERVED	RESERVED	16BYTES
596 TO 597		NUMBER OF SUB-PICTURE STREAMS OF VTS	
	VTS_SPST_ATRT	SUB-PICTURE STREAMS ATTRIBUTE TABLE OF VTS	
790 TO 791	RESERVED	RESERVED	2BYTES
792 TO 983	VTS_MU_AST_ATRT	MULTICHANNEL AUDIO STREAMS ATTRIBUTE TABLE OF VI	
984 TO 1023		RESERVED	40BYTES
1024 TO 2047	RESERVED	RESERVED	1024BYTES

# VTS\_AST\_ATRT

RBP	CONTENTS	NUMBER OF BYTES
516 TO 523	VTS_AST_ATR OF AUDIO STREAM #0	8BYTES
524 TO 531	VTS_AST_ATR OF AUDIO STREAM #1	8BYTES
532 TO 539	VTS_AST_ATR OF AUDIO STREAM #2	88YTES
540 TO 547	VTS_AST_ATR OF AUDIO STREAM #3	8BYTES
548 TO 555	VTS_AST_ATR OF AUDIO STREAM #4	8BYTES
556 TO 563	VTS_AST_ATR OF AUDIO STREAM #5	8BYTES
564 TO 571	VTS_AST_ATR OF AUDIO STREAM #6	8BYTES
572 TO 579	VTS_AST_ATR OF AUDIO STREAM #7	8BYTES

FIG. 8A

## VTS\_AST\_ATR

b63	b62	<u> </u>	b60	ь59	b58	b57	b56	
AUDIO	CODING	MODE	MUTICHANNEL EXTENSION	AUDIO	TYPE		JDIO MODE	
<u>b55</u>	b54	b53	ь52	b51	b50	b <b>49</b>	b48	
QUANTIZAT	TON/DRC		FS	RESERVED	NUMBER	OF AUDIO	CHANNELS	
b47	b46	b45	b44	b43	b42	b41	b40	
		SPE	CIFIC CODE	(UPPER	BITS)			
ь39	b38	ь37	b36	b35	b34	b33	ь32	
		SPE	CIFIC CODE	(LOWER	BITS)			
b31	ь30	b29	b28	b27	b26	b25	b24	
		RESE	RVED (FOR	SPECIFIC	CODE)			
b23	b22	b21	ь20	ь19	ь18	b17	b16	
SPECIFIC CODE EXTENSION								
b15	b14	b13	b12	ь11	b10	<b>b9</b>	b8	
			RESE	RVED				
ь7	<b>b6</b>	ь5	b <b>4</b>	ь3	b2	ь1	ь0	
		AP	PLICATION	INFORM	ATION			

FIG. 8B

RBP	CONTENTS	NUMBER OF BYTES
792 TO 815	VTS_MU_AST_ATR OF AUDIO STREAM #0	24BYTES
816 TO 839	VTS_MU_AST_ATR OF AUDIO STREAM #1	24BYTES
840 TO 863	VTS_MU_AST_ATR OF AUDIO STREAM #2	24BYTES
864 TO 887	VTS_MU_AST_ATR OF AUDIO STREAM #3	24BYTES
888 TO 911	VTS_MU_AST_ATR OF AUDIO STREAM #4	248YTES
912 TO 935	VTS_MU_AST_ATR OF AUDIO STREAM #5	24BYTES
936 TO 959	VTS_MU_AST_ATR OF AUDIO STREAM #6	24BYTES
960 TO 983	VTS_MU_AST_ATR OF AUDIO STREAM #7	24BYTES
	TOTAL	192BYTES

FIG. 9A

# VTS\_MU\_AST\_ATR(1)

AUDIO MIXED FLAG ACHO MIX MODE AUDIO CHANNEL CONTENTS  b183 b182 b181 b180 b179 b178 b177 b1	
b183 b182 b181 b180 b179 b178 b177 b13	76
AUDIO MIXED FLAG ACHI MIX MODE AUDIO CHANNEL CONTENTS	
b175 b174 b173 b172 b171 b170 b169 b10	 88
AUDIO MIXING PHASE ACH2 MIX MODE AUDIO CHANNEL CONTENTS	
b167 b166 b165 b164 b163 b162 b161 b16	50
AUDIO MIXING PHASE ACH3 MIX MODE AUDIO CHANNEL CONTENTS	
b159 b158 b157 b156 b155 b154 b153 b15	52
AUDIO MIXING PHASE ACH4 MIX MODE AUDIO CHANNEL CONTENTS	
b151 b150 b149 b148 b147 b146 b145 b14	14
AUDIO MIXING PHASE ACHS MIX MODE AUDIO CHANNEL CONTENTS	
b143 b142 b141 b140 b139 b138 b137 b13	56
AUDIO MIXING PHASE ACHE MIX MODE AUDIO CHANNEL CONTENTS	
b135 b134 b133 b132 b131 b130 b129 b12	28
AUDIO MIXING PHASE ACH7 MIX MODE AUDIO CHANNEL CONTENTS	

FIG. 9B

# VTS\_MU\_AST\_ATR(2)

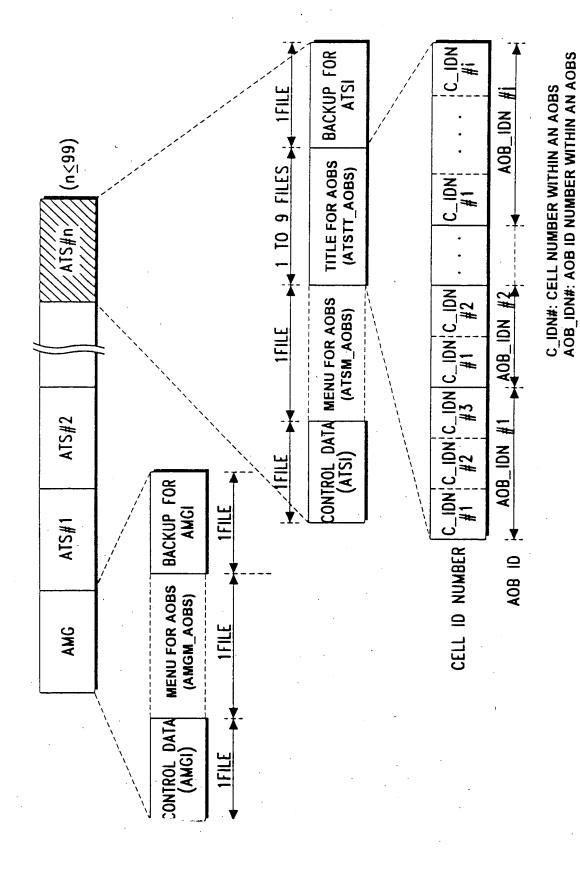
					` '						
<u>b127</u>	Ь126	b125	b124	b123	ь122	Ь121	b120				
	α0										
b119	b118	b117	b116	b115	b114	b113	b112				
β0											
b111	b110	ь109	b108	ь107	b106	b105	b104				
	α1										
b103	Ь102	ь101	ь100	ь99	b98	ь97	b96				
			β	1		<u>-</u>					
b95	ь94	ь93	b92	ь91	b90	b89	b88				
			·α	2							
b87	b86	b85	b84	b83	ь82	b81	ь80				
			β	2.							
b79	b78	b77	ь76	b75	b74	ь73	b72				
			α	3							
b71	ь70	b69	b68	ь67	b66	ь65	b64				
			β	3							
b63	ь62	b61	ь60	b59	b58	b57	b56				
			α	4							
b55	b54	b53	b52	b51	b50	b49	b48				
			β	4							
-							,				

FIG. 9C

<u>b47</u>	b46	b45	b44	b43	b42	b <b>4</b> 1	b40		
α5									
b39	b38	b37	b36	b35	b34	ь33	b32		
β5									
b31	b30_	ь29	b28	b27	b26	b25	b24		
·			α	6					
b23	b22	b21	b20	b1.9	ь18	b17	b16		
β6									
b15	b4	b13	b12	b11	ь10	b9	b8		
			α	7					
b7	b6	b5	b4	b3	b2	b1	ь0		
			β	7					

FIG. 9D

FIG. 10



AOB\_IDN#: AOB ID NUME

AUDIO MANAGER INFORMATION MANAGEMENT TABLE (AMGI_MAT)	TITLE SEARCH POINTER TABLE (TT_SRPT)	AUDIO MANAGER MENU PGCI UNIT TABLE (AMGM_PGCI_UT)	PARENTAL MANAGEMENT INFORMATION TABLE (PTL_MAIT)	AUDIO TITLE SET ATTRIBUTE TABLE (ATS_ATRT)	TEXT DATA MANAGER (TXTDT_MG)	AUDIO MANAGER MENU CELL ADDRESS TABLE (AMGM_C_ADT)	AUDIO MANAGER WENU AUDIO OBJECT UNIT ADDRESS MAP (AMGM_AOBU_ADMAP)
AUDIO MANAGER INFORMATION (AMGI)	AUDIO OBJECT SET FOR VIDEO MANAGER MENU (VMGM_VOBS)	BACK UP OF AUDIO MANAGER INFORMATION (AMGL_BUP)					

FIG. 12

AUDIO MANAGER INFORMATION MANAGEMENT TABLE (AMGI_MAT)		TITLE SEARCH POINTER TABLE INFORMATION (TT_SRPTI)
TITLE SEARCH POINTER TABLE (TT_SRPT)	·	TITLE SEARCH POINTER FOR TITLE #1 (TT_SRP #1)
AUDIO MANAGER MENU PGCI UNIT TABLE (AMGM_PGCI_UT)	·	TITLE SEARCH POINTER FOR TITLE #2 (TT_SRP #2)
PARENTAL MANAGEMENT INFORMATION TABLE (PTL_MAIT)		
AUDIO TITLE SET ATTRIBUTE TABLE (ATS_ATRT)		TITLE SEARCH POINTER FOR TITLE #n (TT_SRP#n)
TEXT DATA MANAGER (TXTOT_MG)		
AUDIO MANAGER MENU CELL ADDRESS TABLE (AMGM_C_ADT)		
AUDIO MANAGER MENU AUDIO OBJECT UNIT ADDRESS MAP (AMGM_AOBU_ADMAP)		

FIG. 13

	· 		
AUDIO TITLE SET INFORMATION (ATSI)	AUDIO OBJECT SET FOR AUDIO TITLE SET MENU (ATSM_AOBS)	AUDIO OBJECT SET FOR AUDIO TITLE SET TITLE (ATSTT_AOBS)	BACKUP OF AUDIO TITLE SET INFORMATION (ATSI BUP)

AUDIO TITLE SET INFORMATION MANAGEMENT TABLE (ATSI_MAT)
AUDIO TITLE SET PART_OF_TITLE SEARCH POINTER TABLE (ATS_PTT_SRPT)
AUDIO TITLE SET PROGRAM CHAIN INFORMATION TABLE (ATS_PGCIT)
AUDIO TITLE SET MENU PGCI UNIT TABLE (ATSM_PGCI_UT)
AUDIO TITLE SET TIME MAP TABLE (ATS_TMAPT)
AUDIO TITLE SET MENU CELL ADDRESS TABLE (ATSM_C_ADT)
AUDIO TITLE SET MENU AUDIO OBJECT UNIT ADDRESS MAP (ATSM_AOBU_ADMAP)
 AUDIO TITLE SET CELL ADDRESS TABLE (ATS_C_ADT)
 AUDIO TITLE SETAUDIO OBJECT UNIT ADDRESS MAP (ATS_AOBU_ADMAP)

FIG. 14

#### ATSI\_MAT

222			NUMBER
RBP		CONTENTS	OF BYTES
O TO 11	ATS_ID	ATS IDENTIFIER	12BYTES
12 TO 15	ATS_EA	END ADDRESS OF ATS	4BYTES
16 TO 27	RESERVED	RESERVED	12BYTES
28 TO 31	ATSI_EA	END ADDRESS OF ATSI	48YTES
32 TO 33	VERN	VERSION NUMBER OF DVD VIDEO SPECIFICATION	2BYTES
34 TO 37	ATS_CAT	ATS CATEGORY	90BYTES
38 TO 127	RESERVED	RESERVED	48YTES
128 TO 131	ATSI_MAT_EA	END ADDRESS OF ATSI_MAT	60BYTES
132 TO 191	RESERVED	RESERVED	48YTES
192 TO 195	ATSM_VOBS_SA	START ADDRESS OF ATSM_AOBS	48YTES
196 TO 199	ATSTT_VOBS_SA	START ADDRESS OF ATSTT_AOBS	4BYTES
200 TO 203	ATS_PTT_SRPT_SA	START ADDRESS OF ATS_PTT_SRPT	4BYTES
204 TO 207	ATS_PGCIT_SA	START ADDRESS OF ATS_PGCIT	4BYTES
208 TO 211	ATSM_PGCI_UT_SA	START ADDRESS OF ATSM_PGCI_UT	4BYTES
212 TO 215	ATS_TMAPT_SA	START ADDRESS OF ATS_TMAPT	4BYTES
216 TO 219	ATSM_C_ADT_SA	START ADDRESS OF ATSM_C_ADT.	48YTES
220 TO 223	ATSM_VOBU_ADMAP_SA		4BYTES
224 TO 227	ATS_C_ADT_SA	START ADDRESS OF ATS_C_ADT	4BYTES
228 TO 231	ATS_VOBU_ADMAP_SA	START ADDRESS OF ATS_AOBU_ADMAP	4BYTES
232 TO 255	RESERVED	RESERVED	24BYTES
256 TO 257	ATSM_V_ATR	VIDEO ATTRIBUTE OF ATSM	2BYTES
258 TO 259	ATSM_AST_Ns	NUMBER OF AUDIO STREAMS OF ATSM	2BYTES
260 TO 267	ATSM_AST_ATR	AUDIO STREAM ATTRIBUTE OF ATSM	8BYTES
268 TO 323	RESERVED	RESERVED	56BYTES
324 TO 339	RESERVED	RESERVED	16BYTES
340 TO 341	ATSM_SPST_Ns	NUMBER OF SUB-PICTURE STREAMS OF ATSM	2BYTES
342 TO 347	ATSM_SPST_ATR	SUB-PICTURE STREAMS ATTRIBUTE TABLE OF ATSM	
348 TO 511	RESERVED	RESERVED	164BYTES
512 TO 513	ATS_V_ATR	VIDEO ATTRIBUTE OF ATS	2BYTES
514 TO 515	ATS_AST_Ns	NUMBER OF AUDIO STREAMS OF ATS	2BYTES
516 TO 579	ATS_AST_ATR	AUDIO STREAM ATTRIBUTE TABLE OF ATS	64BYTES
580 TO 595	RESERVED	RESERVED	16BYTES
596 TO 597	ATS_SPST_Ns	NUMBER OF SUB-PICTURE STREAMS OF ATS	
598 TO 789	ATS_SPST_ATRT	SUB-PICTURE STREAMS ATTRIBUTE TABLE OF ATS	192BYTES
790 TO 791	RESERVED	RESERVED	2BYTES_
792 TO 1298	ATS_MU_AST_ATRT	MULTICHANNEL AUDIO STREAMS ATTRIBUTE TABLE OF ATS	507BYTES
1299 TO 1299	RESERVED	RESERVED	749BYTES

FIG. 15

#### ATSM\_AST\_ATR

<u> </u>	b62	<u> </u>	b60	b59	b58_	ь57	<u> </u>
AUDIO	CODING	MODE	RESERVED	RESE	RVED	RESE	RVED
<u> </u>	b54	b53	b52	b51	b50	b49	b48
QUANTIZAT	ION/DRC		FS	NUM	BER OF A	npio ch	ANNELS
<u>b47</u>	b46	b45	b44	b43	b42	b41	b40
			RESE	RVED			
b39	b38	b37	b36	b35	b34	b33	b32
			RESE	RVED			
<u> </u>	b30	b29	b28	b27	b26	b25	b24
			RESE	RVED			
ь23	b22	b21	ь20	b19	b18	b17	b16
			RESE	RVED			_
b15	b14	b13	b12	b11	ь10	<b>b9</b>	b8
			RESE	RVED			
ь7	_ b6	b5	b4	ь3	b2	<b>b</b> 1	ьо
			RESE	RVED			

FIG. 16

#### ATS\_AST\_ATRT

RBP	CONTENTS	NUMBER OF BYTES
516 TO 523	ATS_AST_ATR OF AUDIO STREAM #0	8BYTES
524 TO 531	ATS_AST_ATR OF AUDIO STREAM #1	8BYTES
532 TO 539	ATS_AST_ATR OF AUDIO STREAM #2	8BYTES
540 TO 547	ATS_AST_ATR OF AUDIO STREAM #3	8BYTES
548 TO 555	ATS_AST_ATR OF AUDIO STREAM #4	88YTES
556 TO 563	ATS_AST_ATR OF AUDIO STREAM #5	8BYTES
564 TO 571	ATS_AST_ATR OF AUDIO STREAM #6	8BYTES
572 TO 579	ATS_AST_ATR OF AUDIO STREAM #7	8BYTES

# FIG. 17A

#### ATS\_AST\_ATR

b63	b62	<u> </u>	<u> </u>	b59	b58	b57	<u> 556</u>
AUDIO	CODING	MODE	MUTICHANNEL EXTENSION	AUDIO	TYPE	APPLICAT	JDIO MODE
<u> </u>	<u> 554</u>	b53_	b52	b51	b50	Ь49	b48
QUANTIZAT	ION/DRC		FS .	NUN	IBER OF	AUDIO CH	ANNELS
b47	b46	b45	b44	b43	b42	b41	b40
		SPE	CIFIC CODE	(UPPER	BITS)		•
<u> </u>	b38	b37	b36	b35	b34	b33	b32
. ,		SPE	CIFIC CODE	(LOWER	BITS)		
b31	ь30	b29	b28	b27	ь26	b25	b24
,		RESER	RVED (FOR	SPECIFIC	CODE)		
b23	b22	b21	b20	b19	b18	b17	b16
		SP	ECIFIC COD	E EXTENS	SION		
b15	b14	b13	b12	b11	b10	<b>b9</b>	b8
			RESER	RVED			
b7	<u>b6</u>	b5	<b>b4</b>	b3	b2	<u> b1</u>	ь0
		APF	PLICATION	NFORMA	TION		

FIG. 17B

CONTENTS	NUMBER OF BYTES
ATS_MU_AST_ATR OF AUDIO STREAM #0	39BYTES
ATS_MU_AST_ATR OF AUDIO STREAM #1	39BYTES
ATS_MU_AST_ATR OF AUDIO STREAM #2	39BYTES
ATS_MU_AST_ATR OF AUDIO STREAM #3	39BYTES
ATS_MU_AST_ATR OF AUDIO STREAM #4	39BYTES
ATS_MU_AST_ATR OF AUDIO STREAM #5	39BYTES_
ATS_MU_AST_ATR OF AUDIO STREAM #6	39BYTES
ATS_MU_AST_ATR OF AUDIO STREAM #7	39BYTES
ATS_MU_AST_ATR OF AUDIO STREAM #8	398YTES
ATS_MU_AST_ATR OF AUDIO STREAM #9	39BYTES
ATS_MU_AST_ATR OF AUDIO STREAM #10	39BYTES
ATS_MU_AST_ATR OF AUDIO STREAM #11	39BYTES
ATS_MU_AST_ATR OF AUDIO STREAM #12	39BYTES
TOTAL	507BYTES
	ATS_MU_AST_ATR OF AUDIO STREAM #0 ATS_MU_AST_ATR OF AUDIO STREAM #1 ATS_MU_AST_ATR OF AUDIO STREAM #2 ATS_MU_AST_ATR OF AUDIO STREAM #3 ATS_MU_AST_ATR OF AUDIO STREAM #4 ATS_MU_AST_ATR OF AUDIO STREAM #5 ATS_MU_AST_ATR OF AUDIO STREAM #6 ATS_MU_AST_ATR OF AUDIO STREAM #6 ATS_MU_AST_ATR OF AUDIO STREAM #7 ATS_MU_AST_ATR OF AUDIO STREAM #8 ATS_MU_AST_ATR OF AUDIO STREAM #8 ATS_MU_AST_ATR OF AUDIO STREAM #9 ATS_MU_AST_ATR OF AUDIO STREAM #10 ATS_MU_AST_ATR OF AUDIO STREAM #11 ATS_MU_AST_ATR OF AUDIO STREAM #11

FIG. 18A

# ATS\_MU\_AST\_ATR\_EXT(1)

b39	9 ь	38	b37		b36	b35	b34	ь33	b32
AUDIO	MIXED	FLAG	ACH8	MIX	MODE	AUDIO	CHANNEL	CONTE	NTS
b3		30 FLAG	<u>ь29</u> АСН9		b28 MODE	b27 AUDIO	b26 CHANNEL	b25 CONTE	b24
b23		22 FLAG	<u>b21</u> ACH10		b20 MODE	[	b18 CHANNEL	b17 CONTER	b16 NTS
b15		14 FLAG	<u>ь13</u> АСН11		b12 MODE	b11 AUDIO	b10 CHANNEL	b9 CONTEN	b8 NTS
b7		o6 FLAG	b5 ACH12	MIX	b4 MODE	b3 AUDIO	b2 CHANNEL	b1 CONTEN	b0 NTS

# FIG. 18B

## ATS\_MU\_AST\_ATR\_EXT(2)

b71 b70 b69 b68 b67 b66 b65 b	64
b71 b70 b69 b68 b67 b66 b65 b	64
β8	
b63 b62 b61 b60 b59 b58 b57 b	56
α9	
b55 b54 b53 b52 b51 b50 b49 b	48
β9	
b47 b46 b45 b44 b43 b42 b41 b	40
α10	
b39 b38 b37 b36 b35 b34 b33 b	32
β10	
b31 b30 b29 b28 b27 b26 b25 b	24
α11	
b23 b22 b21 b20 b19 b18 b17 b	16
β11	
b15 b14 b13 b12 b11 b10 b9 b	8
α12	
b7 b6 b5 b4 b3 b2 b1 b	0
β12	

FIG. 18C

# AUDIO OBJECT SET(AOBS) AUDIO OBJECT AUDIO OBJECT (AOB\_IDN1) (AOB\_IDN2) ... AUDIO OBJECT (AOB\_IDN1) CELL (AOB\_IDN1) (AOB\_IDN2) ... CELL (AOB\_IDN1) AUDIO OBJECT UNIT AUDIO OBJECT UNIT AUDIO OBJECT UNIT (AOBU) ... AUDIO OBJECT UNIT (AOBU) AUDIO OBJECT UNIT AUDIO OBJECT UNIT (AOBU) ... AUDIO OBJECT UNIT (AOBU)

FIG. 19

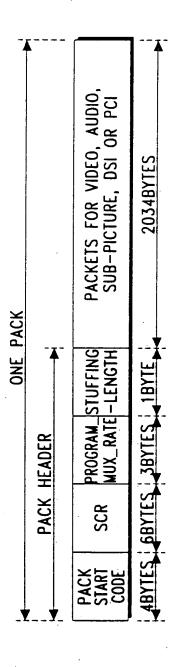


FIG. 20

		AR PCM)	BYTES OR LESS
	AR PCM	AUDIO DATA(LINEAR PCM)	OR MORE, AND 2013
ONE PACK	A_PKT FOR LINEAR PCM	PACK PACKET SUB STUFFING AUDIO HEADER STREAM INFORMATION;	14BYTES 11 1BYTE 3BYTES 3BYTES 18YTE OR WORE, AND 2013 BYTES OR LESS
		PACKET HEADER	-
	- <del>-</del>	PACK HEADER	14BYTES

FIG. 21A

1			
×	A PKT FOR DOLBY AC-3	AUDIO DATA (DOLBY AC-3)	18YTE OR MORE, AND 2016 BYTES OR LESS
ONE PACK	A PKT	PACK PACKET SUB AUDIO HEADER HEADER STREAM_ID INFORMATION	4BYTES •1 1BYTE 3BYTES
_¥		PACK	14BYTE

FIG. 21B

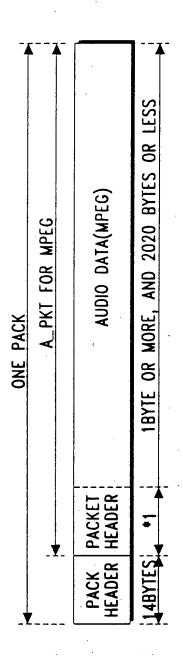


FIG. 21C

	MAIN AUDIO FRAME#i+1			MAIN AUDIO FRAME#i+2	
	PACKET HEADER	NO 18YTE OR MORE, AND SS +1 15848YTES OR LESS		PACKET HEADER	
	EXTENSION AUDIO FRAME#i			EXTENSION AUDIO FRAME#i+1	
<b>A</b>	PACKET HEADER		A_PCK#n	PACKET HEADER	=
A_PKT FOR MPEG	MAIN AUDIO FRAME#i	BYTE, OR MORE, AND		MAIN AUDIO FRAME#i	
	PACKET HEADER	=		PACKET HEADER	
-1.	PACK HEADER	14BYTES		PACK HEADER	14BYTES

FIG. 21D

FIG. 22

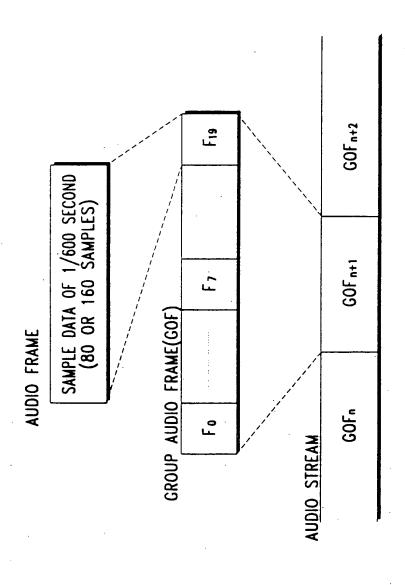


FIG. 23

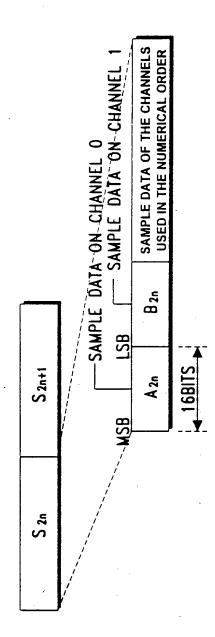


FIG. 24A

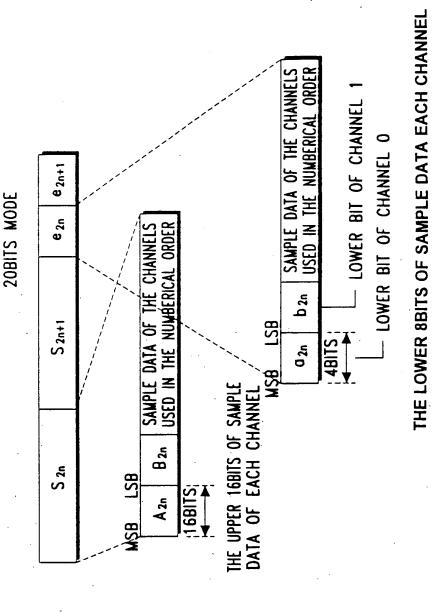
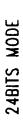
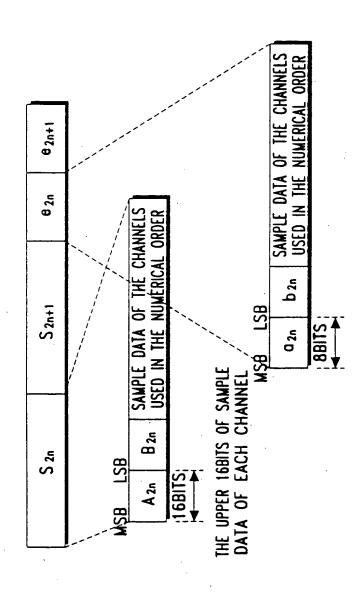


FIG. 24B





THE LOWER 8BITS OF SAMPLE DATA EACH CHANNEL

FIG. 24C

AUDIO PACK(LINEAR PCM)

ONE PACK	A PKT FOR LINEAR PCM	AUDIO AUDIO FRAME DATA AUDIO DATA(LINEAR PCM)
ONE PACK	A_PKT F(	AUDIO FRAME INFORMATION
		PACK PACKET SUB_ HEADER STREAM_ID
		PACK HEADER

FIG. 25

AUDIO PACK(CODED DATA)

7	DED DATA	TA)
	AUDIO PACKET FOR PSEUDO-LOSSLESS PSYCHOACOUSTIC CODED DATA	AUDIO DATA (CODED DATA)
	SS PSYCHO.	JDIO DATA
ONE PACK	00-LOSSLES	NOI
O	FOR PSEUC	PACK PACKET SUB FREAM HEADER STREAM INFORMATION
	PACKET	PACK PACKET SUB_
	AUDIO	PACKI
_\		PACK HEADER

FIG. 26

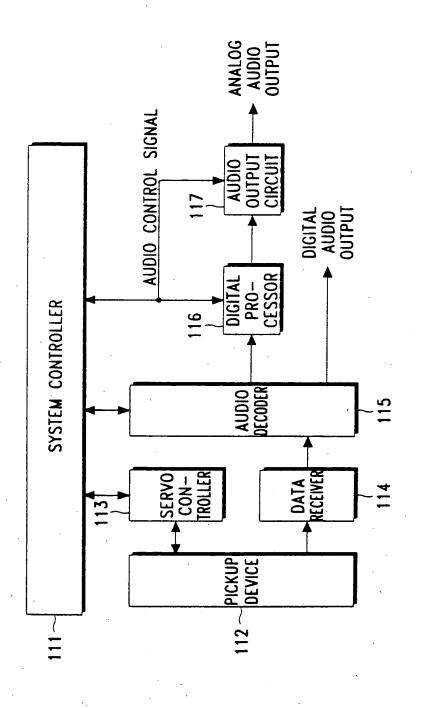


FIG. 27

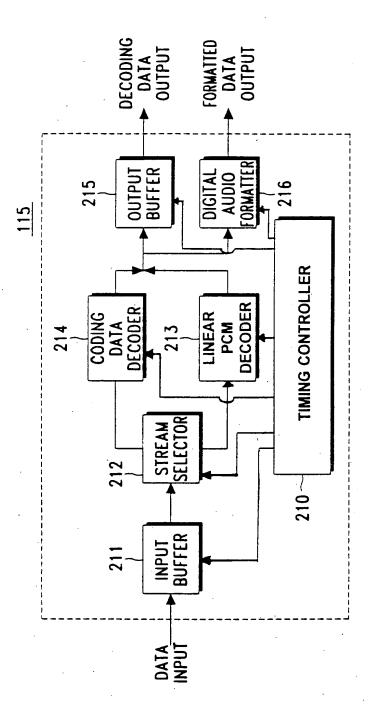


FIG. 28

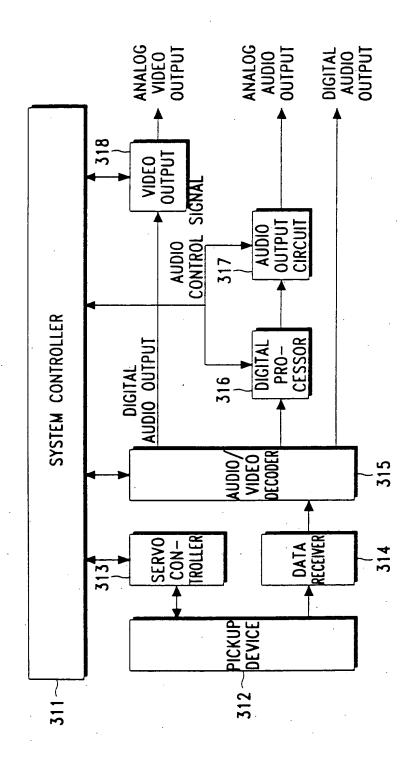


FIG. 29

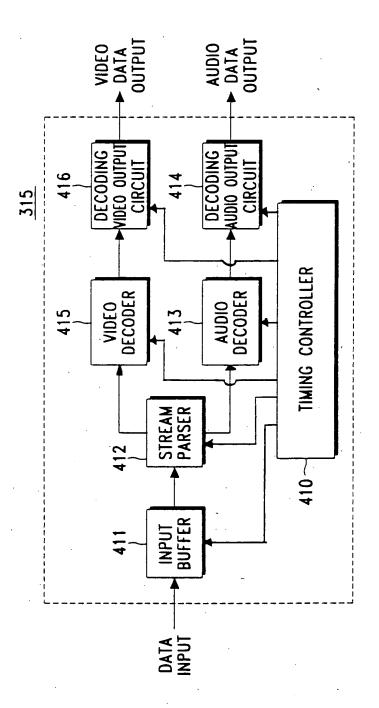
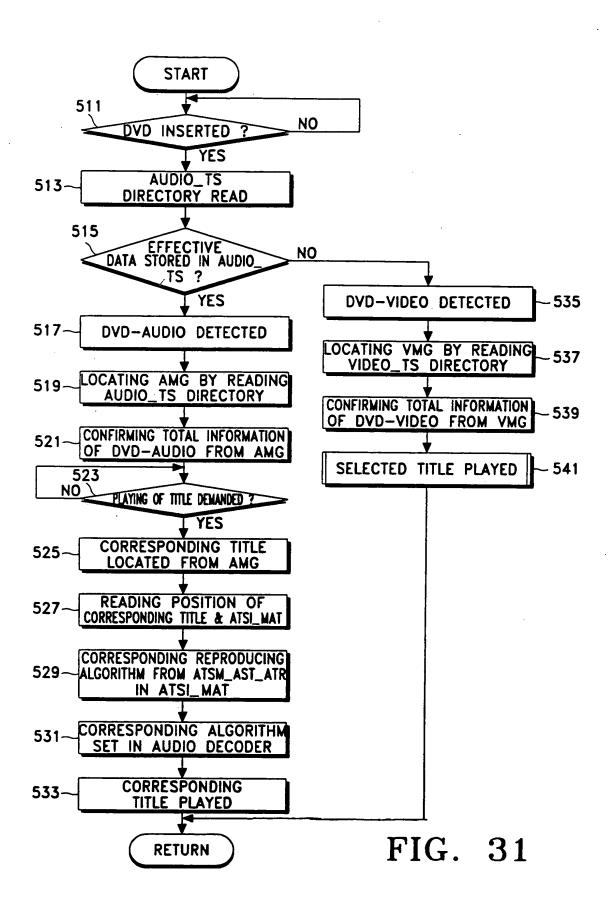


FIG. 30



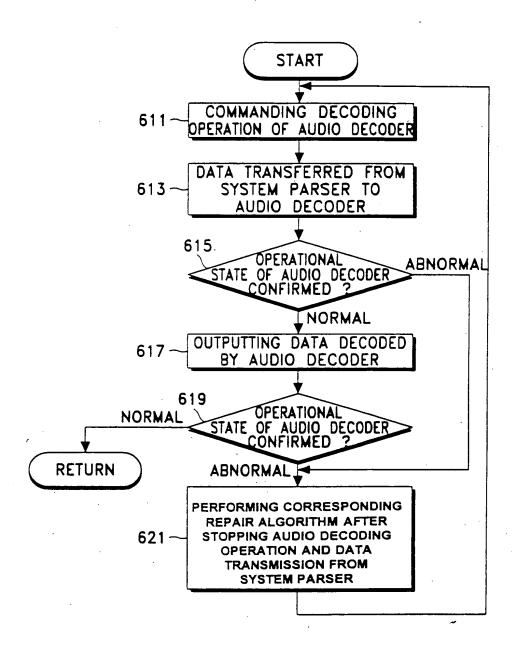


FIG. 32